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HEWLETT-PACKARD COMPANY
Intellectual Property Administration
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EXAMINER

SHIFERAW, ELENI A

ART UNIT	PAPER NUMBER
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2136

DATE MAILED: 08/26/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/995,777

Applicant(s)

HANSEN, VON L.

Examiner

Eleni A. Shiferaw

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 July 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 4-6, 8, 10, 11, 14, 16-21, 23-30 and 33 is/are pending in the application.
- 4a) Of the above claim(s) 2, 3, 7, 9, 12-13, 15, 22, and 31- 32 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 3-6, 8, 10, 11, 14, 16-21 and 23-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAIL ACTION

Response to Amendment

1. Applicant's arguments/amendments with respect to amended claims 1, 4-6, 8, 10-11, 14, 16-19, 21, 23-26, 27, 29-30, and 33, and canceled claims 2-3, 7, 9, 12-13, 15, 22, and 31-32, presently pending claims 1,4-6,8,10-11,14,16-21,23-30 and 33 have been considered but are moot in view of the new ground(s) of rejection.

Claim Objections

2. Claim 23 is objected to because of the following informalities: claim 23 is a system method and it is dependent on claim 25, which is an apparatus method.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 4-6, 10-11, 14, 19-21, 23-25, and 27-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Strobel et al. (Strobel, Pub. No.: US 2003/0014651 A1).

As per claims 1 and 29, Strobel teaches method/medium of printing comprising:

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posting document on a server from a computer workstation as a print job for an identified printer (page 1 par. 0010 lines 1-5, and page 2 par. 0018-0019) and transmitting from the computer workstation a first security key separate from the document (page 1 par. 0010 lines 11-16, page 4 par. 0031 lines 1-8, and fig. 4 No. 210 and 212) and that uniquely identifies the document, the first security key configured to enable activation of an identified printer via a mobile computing device to execute the print job for printing the document (fig. 4B no. 214 & 216, and page 4 par. 31 lines 9-16);

preventing printing of the print job at the identified printer until (page 1 par. 0010 lines 11-21):

a later time when the mobile computing device is located within a wireless transmission range of the identified printer to confirm the presence of the mobile computing device adjacent the identified printer (page 1 par. 0010); and

the later time when the mobile computing device wirelessly transmits to the identified printer printing instructions and the first security key to enable activation of the identified printer to execute the print job to print document (page 3 par. 0026, and claim 1 lines 13-19).

As per claim 10, Strobel teaches a method of printing comprising:

carrying a document on a mobile computing device as a print job for a remote printer (page 3-4 par. 0028 lines 10-18, and fig. 3 no. 106);

wirelessly transmitting the print job, including printing instructions to the printer from the mobile computing device, the print job configured to be enabled for printing via an electronic security key (page 3-4 par. 0028, and fig. 3 no. 110, 112, & 114); and

printing the print job on the remote printer when the user wirelessly transmits to the remote printer the electronic security key from the mobile computing device after wireless transmission of the print job, to enable printing of the print job on the remote printer (page 4 par. 0031).

As per claim 11, Strobel teaches a method of printing comprising:

directing printing of a print job via electronically authorizing, without a physical security key, the print job on a server for printing at a first printer (page 4 par. 0030-0031),

selectively delaying the printing of the print job until the first printer receives printing instructions and an electronic security key from via an authorized wireless transmission from a mobile computing device to authorize printing of the print job by the first printer according to the printing instructions (page 1 par. 0010); and

enabling printing of the print job with the authorized wireless transmission based on at least one of a distance from a source of the wireless transmission from the mobile computing device to the first printer, a time delay factor associated with the first printer, and a type of wireless transmission (page 1 par. 0010, page 3 par. 0026 and claim 1 lines 13-19).

As per claim 25, Strobel teaches a printer comprising:

a printing mechanism for printing a document as a print job and configured to store the print job for later execution by the printing mechanism (page 1 par. 0010, and page 2 par. 0018-0019);

a device independent program language reader (page 2 par. 0021);

a wireless communication module configured to receive a wireless transmission securely requesting printing a document on the printer wherein the wireless transmission includes a security key and printing instructions with both of the security key and the printing instructions provided the wireless transmission in device independent programming language to be implemented by the device independent program language reader (page 4 par. 0030-0031), wherein the security key is separate from the document and the wireless communication module is configured to receive the wireless transmission of the security key at a point in time after the print job is stored via the printing mechanism (page 1 par. 0010 lines 11-21).

As per claim 27, Strobel teaches a mobile computing device comprising:

a controller page 1 par. 0010 and page 2 par. 0018); and

a wireless communication module configured for activating a printer to print a document, available to the printer, as a print job via a wireless transmission that sends printing instructions and a security key to the printer (page 2 par. 0018) the security key being separate from the document and configured to enable the printer to print the print job the wireless communication module including an automatic identification module to identify to the printer, based on a presence of the mobile computing device within a wireless communication range with the printer, that an individual associated with the mobile computing device is adjacent the printer to retrieve the printed document from the printer (claim 25 and page 1 par. 0010).

As per claim 4, Strobel teaches the method, wherein posting document comprises:

providing the printer as commercial printer wherein the server

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defines a portion of a commercial printing web site (page 1 par. 0010).

As per claim 5, Strobel teaches the method comprises:

Specifying a location of the identified printer, apart from a plurality of other printers at which the document will be printed (page 4 par. 0030, and page 3 par. 0025).

As per claim 6, Strobel teaches the method, wherein wirelessly transmitting a security key in preventing printing of the print job comprises:

transmitting the security key by at least one of the following wireless communication protocols: infrared; Bluetooth; and WAP (page 2 par. 0019).

As per claim 14, Strobel teaches the method wherein posting a document comprise:

identifying via the a mobile computing device the first printer as uniquely from among a plurality of printers within a computing network (page 4 par. 0030 and page 3 par. 0025); and

wherein selectively delaying printing a of the print job comprises delaying printing until a presence of the mobile computing device is automatically detected via the first printer when the mobile computing device enters a wireless communication range with the first printer (page 1 par. 0010).

As per claim 19, Strobel teaches the method and further comprising:

selectively contracting with a public printing service to print the document as the print job with the printer beings a publicly accessible printer in a public venue (page 4 par. 0030-0031);

As per claim 20, Strobel teaches the method, further comprising:

specifying the server to include at least one of a private server and a server of the public printing service (page 4 par. 0030, and page 3 par. 0025).

As per claim 21 Strobel teaches the printer comprising a printing system comprising:

a mobile computing device for holding the security key and printing instructions and having a wireless communication module for activating the printer to print the document as the print job when the mobile computing device is within a select proximity of the printer (page 1 par. 0010).

As per claim 23, Strobel teaches the printing system wherein the server comprises a network printing manager menu comprising:

a document identification field (page 4 par. 0030);
a document upload function (page 4 par. 0030-0031);
a printer location function confirmed to identify a location of the printer (page 4 par. 0030); and
a security key field for identifying and activating the security key to selectively control printing of the document (page 4 par. 0031).

As per claim 24, Strobel teaches the printer and further comprising a printing system comprising:
a server for holding the document as the print job for printing at the printer (fig. 4A no. 200 page 4 par. 0030).

As per claim 28, Strobel teaches the mobile computing device wherein the communication module further comprises:

an authorization module configured for recognizing the printer and configured for permitting printing of the document based on at least one of a distance of the mobile computing device relative to the printer, a time factor associated with the printer, and a type of wireless transmission associated with the printer (page 4 par. 0031, and page 1 par. 0010).

As per claim 30, Strobel teaches the medium and further comprising:

determining whether the mobile computing device is authorized to enable execution of the print job at the identified printer based on at least one of a select proximity between a source of the wireless transmission and the identified printer, a time factor associated with the identified printer, and a type of the wireless transmission between the mobile computing device and the identified printer (page 1 par. 0010).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 8, 26, and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Strobel et al. (Strobel, Pub. No.: US 2003/0014651 A1) in view of Blumberg et al. (Blumberg, Pub. No.: US 2003/0140315 A1).

As per claim 8, Strobel teaches the method, wherein preventing printing of the print job the comprises:

wirelessly transmitting the printing instructions to print the print job and the security key (page 4 par. 0031-0031, and page 1 par. 0010);

Strobel do not explicitly teach using Java applet;

However Blumberg discloses: using a Java applet to print the print job (page 2-3 par. 0035, and par. 0060), and

receiving and operating the Java applet to execute the print job, with a Java virtual machine of the identified printer (page 2-3 par. 0035, and par. 0060).

Therefore it would have been obvious to one having ordinary skill in the art at the time of the invention was made to use Java applet and a remote commercial printing system wherein a user selecting a document to be printed remotely. One of ordinary skill in the art would have been motivated to do so because it is well known in the art to use Java applet language for creating and viewing content to be printed including the step of receiving document, selecting, in response to user input, finishing options for the electronic document, and displaying in response

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to the selecting, how the electronic document would appear as a finished document, if printed in accordance with the finishing options (page 1 par. 0014).

As per claim 26, Strobel teaches all the subject matter as described above. In addition Strobel discloses transmitting the security key and instructions to the printer for print jobs (page 4 par. 0031).

Strobel fail to explicitly teach the language is a Java applet. However Blumberg discloses the printer, wherein the device independent program language reader comprises a Java virtual machine and the device independent programming language further comprises Java programming language, and wherein the Java virtual machine comprises the printing instructions (page 2-3 par. 0035, and par. 0060). The rational for combining are the same as claim 8 above.

As per claim 33, Strobel discloses all the subject matter as described above. In addition Strobel teaches a security key that is send to the printer for print jobs only when a user presents the wireless device to the identified printer (page 4 par. 0031). Strobel fail to explicitly disclose the language is a Java applet.

However Blumberg teaches the medium, wherein perverting printing of the print job comprises:

using a Java applet to send the printing instructions (page 2-3 par. 0035, and par. 0060).

The rational for combining are the same as claim 8 above.

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7. Claims 16-18 rejected under 35 U.S.C. 103(a) as being unpatentable over Strobel et al. (Strobel, Pub. No.: US 2003/0014651 A1) in view of Blumberg et al. (Blumberg, Pub. No.: US 2003/0140315 A1), and further in view of Block (Pub. No.: US 2002/0010604 A1).

As per claim 16, Strobel and Blumberg teach all the subject matter as described above. Strobel and Blumberg fail to teach the document is an airline/passenger ticket.

However Block discloses the method wherein posting a document comprises:

providing the document as a passenger ticket service document, associated with a pre-identified consumer travel service, on then server at a consumer travel service facility (page 1 par. 0005);

wherein the printing instructions to request the pre-identified consumer travel service and printing of the passenger ticket service document (page 11 par. 0667); and

delivering the pre-identified travel service to the consumer via printing the passenger ticket service document on the printer at the consumer travel service facility (page 11 par. 0668).

Therefore it would have been obvious to one ordinary skill in the art at the time of the invention was made to print a passengers ticket, and wirelessly post a document first and send a key to print document remotely by presenting the wireless device. One of ordinary skill in the art would have been motivated to do so because it would enhance an airline security at the terminal.

As per claim 17, Strobel, Blumberg, and Block teach all the subject matter as described above. In addition, Block teaches the method wherein, providing the document comprises:

producing the passenger travel service document as an airline passenger ticket (page 13 par 0705). The rational for combining are the same as claim 16 above.

As per claim 18, Strobel, Blumberg, and Block teach all the subject matter as described above. In addition, Block teaches the wherein producing, the passenger travel service document comprises:

providing the passenger travel service document to include printed news and entertainment information that is personal to the consumer (page 12 par. 0690). The rational for combining are the same as claim 16 above.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eleni A. Shiferaw whose telephone number is 571-272-3867.

The examiner can normally be reached on Mon-Fri 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eleni Shiferaw

August 19, 2005

Chl
Primary Examiner
AU2131
8/19/05